



Innovation Disclosure

Docket No.: 97RSS327
Ranking: A1

1. Innovator(s)

Name	SSN	Dept.	Mail Code	Telephone	Supervisor
Joel D Peshkin					
Paul Wren					
Michael Whitfield					

Redacted

2. Title of Invention

Separating Commands And Data Using Logical Channels

3. Problem Solved

Modems require 2 type of information flow, one for commands intended for interpretation by the local modem, and one for tx data that should be passed on to the remote modem. Current implementations use command and data modes to distinguish when the information flow is for the local or remote modem.

This requires procedures to switch from one mode to another (some of which are patented), and overhead to implement these procedures. It also means that while a command is being executed, no data can be sent to the far end.

4. Previous Solutions

5. Solution

This new solution turns one physical channel into two logical channels. It does this by setting aside a group of hardware registers which pass messages about the data, one parameter of the messages being the channel number. By reserving one channel number for commands, and another for data, the information's destination can be indicated. This avoids the need for command and data mode and the procedures and overhead switching modes requires. It also means that a command can be sent followed immediately by data, and the data will not upset the command.

6. Differences/Advantages Over Previous Solutions

7. Status of Innovation

Idea If "Other", please specify

8. Product or program in which innovation will be used:

RL56CSM/3 (Tripac project)

9. Has anyone disclosed or does anyone plan to disclose your innovation outside the Company?

☒ Yes ☐ No ☐ Don't Know

If "Yes", where: RL56CSM/3 Host Interface Spec

10. Has anyone proposed or does anyone plan to propose a product or program to a customer which includes your innovation?

☒ Yes ☐ No ☐ Don't Know

If "Yes", when and how: Early June 97

11. Innovator signature(s): (Do not use black ink)

_____ Date _____

_____ Date _____

_____ Date _____

Entered: Donna Bastedo @ 07/08/97 10:45 AM

Modified: James K Dawson @ 11/18/97 10:10 AM

Revision History:

Revised: 23-Jul-1997 12:59 PM by Donna Bastedo
23-Jul-1997 05:33 PM by James K Dawson
21-Sep-1997 01:44 PM by James K Dawson
18-Nov-1997 10:10 AM by James K Dawson
18-Nov-1997 10:10 AM by James K Dawson



Philip K. Yu
Intellectual Property Law Department

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January 13, 1998

Mike Kelly, Esq.
Snell & Wilmer
One Arizona Center
Phoenix, AZ 85004-0001

Re: Patent Application Preparation

Dear Mike:

We are very pleased that Snell & Wilmer is now able to help us in the preparation and filing of patent applications for our business units. As Mark and I discussed last week, please prepare patent applications for the below listed fifteen (15) disclosures (copies attached):

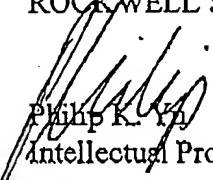
Our Docket No.	Inventor(s)	Title	Known Bar Dates
		Redacted	
		Redacted	
		Redacted	
97RSS327	Peshkin; Wren; Whitfield	Separating Commands and Data Using Logical Channels	
		Redacted	

[illegible]

Redacted

Redacted

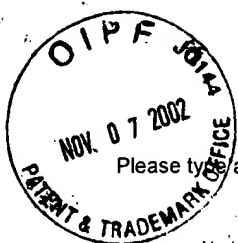
ROCKWELL SEMICONDUCTOR SYSTEMS, INC.


Philip K. Yip
Intellectual Property Law Counsel

PKY/moc

Attachments (15)

g:oc/snell&wilmer/auth0113



2631

SS

Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/264,065	
	Filing Date	Mar 8, 1999	
	First Named Inventor	Peshkin, Joel D	
	Group Art Unit	2631	
	Examiner Name	Kevin M. Burd	
Total Number of Pages in This Submission	16	Attorney Docket Number	01CON222P

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ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. Declaration of Applicant, Paul Wren 2. Declaration of Applicant, Joel D. Peshkin 3. Redacted Exhibits
<input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Farshad Farjani, Esq. Reg. No. 41014 Farjani & Farjani LLP
Signature	
Date	October 30, 2002

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date: October 30, 2002			
Type or printed name	Lori Llave		
Signature		Date	October 30, 2002

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

☐ Applicant Claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)**0.00**

Complete if Known

Application Number 09/264,065

Filing Date 3/8/1999

First Named Inventor Peshkin, et al.

Examiner Name Kevin M. Burd

Group Art Unit 2631

Attorney Docket No. 01CON222P

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METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

Deposit Account Number 50-0731

Deposit Account Name Farjami & Farjami LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
101	740	201	370
106	330	206	165
107	510	207	255
108	740	208	370
114	160	214	80

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
103	18	203	9
102	84	202	42
104	280	204	140
109	84	209	42
110	18	210	9

SUBTOTAL (2) (\$)

** or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee	Fee	Fee	Fee
105	130	205	65
127	50	227	25
139	130	139	130
147	2,520	147	2,520
112	920*	112	920*
113	1,840*	113	1,840*
115	110	215	55
116	400	216	200
117	920	217	460
118	1,440	218	720
128	1,960	228	980
119	320	219	160
120	320	220	160
121	280	221	140
138	1,510	138	1,510
140	110	240	55
141	1,280	241	640
142	1,280	242	640
143	460	243	230
144	620	244	310
122	130	122	130
123	50	123	50
126	180	126	180
581	40	581	40
146	740	246	370
149	740	249	370
179	740	279	370
169	900	169	900

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Farshad Farjami, Esq.	Registration No. (Attorney/Agent)	41014	Telephone	(949) 784-4600
Signature		Date	10/30/02		

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